

2) Meeting Schedules

The Rocky Flats Monthly Public Information Meeting, scheduled for February 15, 1995, is planned to include an OU4 Update. It was noted that a 10 minute slot had been allocated for announcement of the availability of the Proposed Decision Document. DOE/EG&G will coordinate plans and attendance.

3) Introduction of Dr. Briand Wu

Frazer Lockhart introduced Dr. Briand Wu as the new DOE Manager for OU4. Mr. Lockhart has been assigned as Deputy to Jesse Roberson.

4) 904 Pad Compliance Plan

The status of the Compliance Plan for the 904 Pad was discussed. Site Permit action will be required if materials fail the paint filter test. Harlen Ainscough noted that the State believes that if the paint filter test fails, then provisions will be required for treatment and storage as liquid waste, with secondary containment. In particular, pad sealing may be required. Steve Howard noted that the RCRA Permit process will provide for remedy versus treatment and storage as liquid wastes. Provisions will be included for pulling the Interim Status permit. CDPHE will review the requirements for further discussion.

5) Public Comment on IM/IRA EA DD and Permit Modification Request

Harlen Ainscough led a discussion of the public review process for the DD and the Permit Modification. CDPHE believes that since the DD is a Class 3 permit Modification Request, initiated by the operator, that the regulations require a supplemental public review period. The process was outlined with the use of the "strawman" schedule included as Attachment 1. After the DD public review period, CDPHE will draft a summary permit modification, to be issued for an additional 45 day public review and comment period. Following the second review period, CDPHE will be in a position to issue the final permit. DOE noted that the proposed schedule requires significant final design activities to proceed during the CDPHE permit review. DOE will request CDPHE to prepare a draft permit for public review and comment within the DOE schedule.

Harlen Ainscough also noted that there should be no problem with CDPHE approving the CAMU, however, inclusion of sludge and pondcrete is a regulatory decision, and CDPHE has not agreed that the materials are remediation wastes. Remediation activities may begin 10 days after approval of the DD.

6) Discussion/Distribution of the Errata for the IM/IRA EA DD

A new Appendix I.B will be issued to include the CDPHE and EPA comments and responses on the Draft Proposed IM/IRA EA DD. An errata sheet had been developed for inclusion with the package. CDPHE had also developed an errata sheet, and an introduction sheet for the new appendix. DOE requested review of the CDPHE inclusions prior to authorization for distribution. It was agreed that, if approved by DOE, the last sentence of the CDPHE errata sheet would be added to the existing errata sheet, and that the CDPHE introduction would be included as drafted. DOE/EG&G will advise authorization for these inclusions by 12:00 noon on Friday, February 10, 1995. The new errata packages will be distributed to the public reading rooms by close of business on February 10, 1995.

7) Building 964 Closure Options

It was agreed that closure options for Bldg. 964 should be addressed as a part of the joint working group. Harlen Ainscough will alert the appropriate CDPHE personnel.

8) Planned Upcoming Field Activities

Planned field activities (Phase I Non-Closure) were reviewed based on the information provided and included as Attachment 2.

9) Change in Approach to Geophysical Investigations

EG&G presented information on planned changes to the OU4 Phase II Field Investigations, included as Attachment 3. In particular, Seismic Refraction is now planned as the single geophysical technique. It was agreed that EG&G could recommend modifications to the OU4 Phase II Work Plan using the Document Revision Notice (DMR) process.

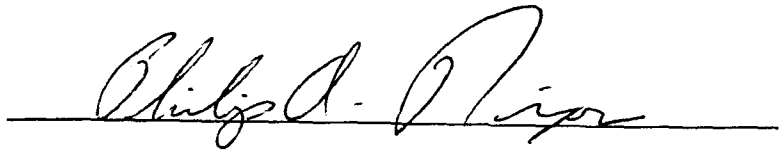
10) Upcoming Planned Field Activities

The planned OU4 field activities were reviewed based on the information provided and included as Attachment 4.

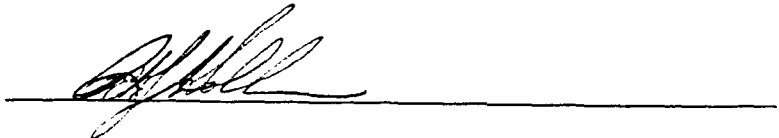
11) Next Meeting

The next working group meeting is scheduled for Thursday, February 16, 1995.

Meeting Minutes
February 9, 1995
Page 4 of 4

A handwritten signature in cursive script, appearing to read "Philip A. Nixon", is written over a horizontal line.

Philip A. Nixon
Project Manager, Phase I IM/IRA

A handwritten signature in cursive script, appearing to read "Peter J. Holland", is written over a horizontal line.

Peter J. Holland, P.E.
Project Manager, Phase II RFI/RI

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	REM DUR
AD16280125	IAG #2 PROPOSED IM/IRA DD	13FEB95	11APR95	42
AD16280135	PUBLIC COMMENT PERIOD	5MAY95	11MAY95	5
AD16280150	DOE TRANSMITTAL DRAFT RS TO AGENCIES	12MAY95	9JUN95	20
AD16280151	SCHEDULE RESERVE FOR IAG #3		9JUN95	0
AD16280152	IAG #3 SUBMIT DRAFT RESPONSIVENESS SUMMARY	12JUN95	11JUL95	21
AD16280155	AGENCY REVIEW AND COMMENT DRAFT RS	25AUG95	31AUG95	5
AD16280165	DOE TRANSMITTAL FINAL IM/IRA & RS	30AUG95		0
AD16280167	IAG #4 - SUBMIT FINAL IM/IRA DD & RESPONSE SUMM	12SEP95	10OCT95	21
AD16280315	AGENCY APPROVAL FINAL IM/IRA & RS	11OCT95	17OCT95	5
AD16280175	TRANSMIT TO PUBLIC READING ROOM	18OCT95	31OCT95	10
AD16280177	PUBLIC READING ROOM			
AD18111330	EG&G TRANSMITTAL OF FINAL IM/IRA DESIGN TO DOE	13SEP95	19SEP95	5
AD18111340	DOE TRANSFER OF FINAL IM/IRA DESIGN TO CDH/EPA	11OCT95	17OCT95	5
AD18111390	IAG #5 - FINAL IM/IRA TITLE II DESIGN	19DEC95	24JAN96	21
AD18111410	EPA/CDH REVIEW AND COMMENT ON FINAL DESIGN	25JAN96	7FEB96	10
AD18111420	EPA/CDH COMMENT RESOLUTION ON FINAL DESIGN	8FEB96	20FEB96	9
AD18111430	INCORPORATE FINAL DESIGN COMMENTS FROM CDH/EPA	21FEB96	27FEB96	5
AD18111440	CDH/EPA APPROVAL OF FINAL IM/IRA DESIGN	16NOV95	19FEB96	60
AD18122280	MOBILIZATION OF IM CONTRACTOR			
AD18122000	WRITE DRAFT PERMIT	12APR95	8JUN95	40
AD18122005	JWG REVIEW/REVISE	9JUN95	7JUL95	20
AD18122010	RELEASE FOR PUBLIC COMMENT	10JUL95	14JUL95	5
AD18122015	PUBLIC COMMENT	17JUL95	29AUG95	32
AD18122020	WRITE FINAL PERMIT	30AUG95	27SEP95	20
AD18122025	ISSUE PERMIT		27SEP95	0

ACTIVITY CLASSIFICATION: MAJOR ACTIVITY

Plot Date 9FEB95

Data Date 3FEB95

Project Start 1DEC92

Project Finish 27FEB96

(c) Primavera Systems, Inc.

Activity Bar/Early Dates

Original Activity

Program Bar

Milestone/Flag Activity

NAME

EG&G ROCKY FLATS OU4 SOLAR PONDS

STRAWMAN SCHEDULE FOR ADMIN. PERMIT

BC-ZY DETAILED SCHEDULE

SHEET 1 OF 1

DATE

REVISION

CHECKED

APPROVED

OU4 Joint Working Group
Planned Upcoming Field Activities (Phase I Non-Closure)
February 9, 1995

SILO REMOVAL

This activity involves the emptying and removal of two cement silos located near Building 788. Associated equipment also to be removed includes a pressure and blower tank, cement transfer piping, electrical panels, and miscellaneous structural steel framing. This activity began in October 1994 and will complete in April 1995.

VEHICLE ACCESS GATE

Construction of a vehicle access gate at portal #3 is scheduled to begin in May 1995. The gate will be used for access to the Solar Ponds area by vehicle traffic during the engineered barrier construction. A dedicated gate is required to minimize delays projected if existing gates are utilized due to the large number of delivery vehicles expected. The gate construction will complete in August 1995.

SITE CLEANUP

The excess materials located at 10th & Patrol Road, as well as in and around the Solar Pond area, are being surveyed by Radiological Control Technicians and dispositioned for free release. Materials to be relocated to Property Utilization and Disposal and to the landfill site include; conveyor belts and other equipment used in the sludge processing operations, excess piping and materials, lumber and plywood, scrap metal, and miscellaneous piping. The site cleanup began in November 1994 and will be completed later this month.

GENERAL SITE IMPROVEMENTS

This activity will encompass all improvements needed to be made to the site before construction of the engineered barrier can occur. This includes the installation of a construction/security fence, relocation of the ITS line, relocation of existing above ground power lines and other utilities, and running electrical power and other utilities to the area where subcontractor break and office trailers will be installed. This activity will begin in April 1995 and will be completed at the end of this fiscal year.

BUILDING 788 - PHASE A REMOVALS

Phase A removals of Building 788 include removal of all non-RCRA regulated materials and equipment inside and outside Building 788. Phase A removals include structures around the Morgan pump and the clarifier, interior doors and windows, domestic water lines, the HVAC system, and miscellaneous pumps and heaters. Removal of RCRA regulated items (Phase B) will begin once the IM/IRA Decision Document has been approved. The Phase A work will start this May and will be completed by August of this year.

CARGO CONTAINER RELOCATION

Cargo containers located to the north of Building 964 must be moved to allow for construction of the engineered barrier. These containers will be relocated to the area at 10th & Patrol Road. The containers hold various supplies and equipment, and are planned be moved with their contents intact, when possible. The site preparation will begin this month and the cargo containers will be moved by late March.

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH	FY94	FY95	FY96	FY97	FY98	FY99
(1218121)	SILLO REMOVAL									
AS18121149	SILLO REMOVAL	50	4OCT94A	19APR95						
(1218132)	SITE STRIP-OUT CONSTRUCTION									
AD18132109	SITE STRIP-OUT CONSTRUCTION	8	28NOV94A	17FEB95						
(1218171)	CARGO CONTAINER RELOCATION									
AD18171230	RELOCATE CARGO CONTAINERS	18	3MAR95	28MAR95						
(1218152)	GENERAL SITE IMPROVEMENTS CONSTRUCTION									
AD18152130	CONSTRUCTION OF GENERAL SITE IMPROVEMENTS	120	7APR95	27SEP95						
(1218162)	788 D&D CONSTRUCTION									
AD18162120	CONSTRUCTION ON NON-RCRA REMOVAL (PHASE A)	60	18APR95	12JUL95						
(1218142)	VEHICLE ACCESS GATE CONSTRUCTION									
AD18142135	CONSTRUCTION OF GATE	59	22MAY95	14AUG95						
(1218162)	788 D&D CONSTRUCTION									
AD18162121	CONSTRUCTION OF RCRA REMOVAL (PHASE B) B788	90	28FEB96	5JUL96						
(12181A1)	BUILDING 964 REMOVAL									
AD181A1230	CONSTRUCTION REMOVALS B964	55	9APR96	25JUN96						
(1218112)	REMEDIATION CONSTRUCTION									
AD18112190	CONSTRUCTION REMEDIATION OF OU-4 PHASE I	502	3JAN97	8JAN99						

Plot Date
9FEB95
Data Date
8FEB95
Project Start
1DEC92
Project Finish
8JAN99

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

EGOG ROCKY FLATS OU4 SOLAR PONDS
BCP1 - REVISION 0 - 03OCT94
BC-34 WORK PACKAGE # 12181

Sheet 1 of 1

CFP. NO. 0032 11/14/94 TIM KRAMMER

Date

Revision

Checked

Approved

Plot Date Data Date Project Start Project Finish	9FEB95 8FEB95 1DEC92 8JAN99	Activity Bar/Early Dates Critical Activity Program Bar Milestone/Flag Activity	TIME	EGGG ROCKY FLATS OU4 SOLAR PONDS BCP1 - REVISION 0 - 03OCT94 BC-34 WORK PACKAGE # 12181	SHEET 1 of 1	CFR. NO. 0032 11/14/94 TIM KRAMMER	Date	Revision	Checked	Approved
(c) Primavera Systems, Inc.										

OU4 Phase II RFI/RI WORK PLAN REVISION

GEOPHYSICS PROGRAM

February 9, 1995

Phase II RFI/RI Work Plan Field Sampling Plan Proposes Utilizing Three (3) Geophysical Techniques.

- Seismic Refraction - Currently being implemented.
- Ground Penetrating Radar.
- Electromagnetic Induction.

Phase II RFI/RI Work Plan Objectives of Seismic Methods

- Seismic Refraction - Map top of bedrock (and possibly the water table). The seismic survey will be used to delineate bedrock paleochannels which may act as preferential pathways.
- GPR - Map top of bedrock (and possibly water table with higher degree of accuracy than seismic survey).
- EM Induction - Map high conductivity plume to determine the lateral and vertical extent of inorganic contamination.

Results of Previous GPR Survey Results at OU4

- Phase I RFI/RI - Poor performance in Interceptor Trench System Area.
- Phase I IM/IRA - Poor performance in Utilities Verification Study.

GPR Geophysical Expert System Results

Rank -7 on a relative scale when compared to seismic refraction.

Results of Previous EM Surveys conducted for Geophysical Applications for RCRA/CERCLA Investigations

- EM survey exhibited isolated subsurface areas of high conductivity.
- Increases in conductivity may also be a result of lithology.
- Ineffective at determining contrasts in conductivity at low concentrations.

Knowledge of Existing Site Conditions/Location of Inorganic Plume

- September 1994 Nitrate/Conductivity Survey at 110 Wells has refined the location of the inorganic plume at OU4.

EM Geophysical Expert System Results

- Ranked 0 on a relative scale when compared to seismic refraction.

Summary

- GPR has very low probability of meeting data quality objectives of determining top of bedrock.
- Contrast between the leading edge (10 mg/l) of inorganic plume and lithology at OU4 not significant enough to be detected from EM survey.

Recommendations

- Deletion of GPR and EM surveys from the OU4 Phase II RFI/RI Work Plan by DMR process.
- Utilize Geoprobe™ survey to determine lateral and distal extent of inorganic plume.

PHASE I RFI/RI PLANNED ACTIVITIES

<u>Activity</u>	<u>Start Date</u>
207-C Pond Drilling Commences	May 17, 1995
Laboratory Analysis - C Pond Samples	May 31, 1995
C Pond Data Validation	August 1, 1995

PHASE II RFI/RI PLANNED ACTIVITIES

<u>Activity</u>	<u>Start Date</u>
Seismic Refraction Surveys	In Progress
Geoprobe Drilling	February 28, 1995
Draft Final Field Sampling Plan Submitted Regulatory Agencies	May 22, 1995
Final Field Sampling Plan Approved	July 31, 1995
Sample Well Drilling Commences	June 7, 1995